

Michael Lee

Software Engineer, Los Angeles

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TECHNICAL SKILLS

Strong: JavaScript, jQuery, AngularJS, Node.js, Express, Polymer, D3.js, MongoDB, HTML5, CSS, Git

Experienced: MySQL, React, Grunt, Backbone.js, OAuth 2.0, Bootstrap, Mocha/Chai

RECENT PROJECTS

Forged | <https://forged.herokuapp.com>

Web based educational tool that adapts to the students' needs with an adaptive UI

- Architected single-page application with Polymer web components for modularity and customization of UI based on user performance
- Constructed multiple custom HTML elements for a customizable student dashboard view
- Connected HTML elements to server API and a MongoDB database for persistent user data.
- Developed product with CircleCI for continuous integration and live deployment to Heroku

Should We Watch This | <https://shouldwewatchthis.herokuapp.com>

Search a TV show for a graphical representation of its ratings and trends over seasons

- Integrated user sign-in and data storage functionality into existing codebase using AngularJS services with RESTful API
- Added dynamic search with suggestions of shows using jQuery UI and custom AngularJS directive
- Created a D3.js chart of season ratings with relative sizing for an improved user experience

Recflix, Product Owner | <https://recflixapp.herokuapp.com>

Full-stack movie recommendation application based on user preferences

- Designed front-end architecture with AngularJS for dynamic renderings of search results with interactivity such as a "to watch" list and modal views for trailers
- Integrated OAuth for Facebook and Google sign-ins with user data stored via MongoDB
- Utilized asynchronous OMDb API requests to consolidate recommendations and movie data
- Employed agile development principles with continuous deployment for constant iteration

ColorFinder, Product Owner | <https://color-finder.surge.sh>

A tool for developers and designers to discover colors with a simple and intuitive UI

- Used D3.js to render objects that dynamically update with user interactions
- Formulated color randomizing algorithm to return a palette of colors within a specified range

WORK EXPERIENCE

Beyond Curriculum, San Marino, CA | Lead Instructor

2012 - 2015

- Designed student progress tracking system that increased student SAT scores by 150+ points
- Overhauled scheduling system to coordinate schedules of 15+ tutors and 80+ students
- Developed curriculum and instructed students through credentialed online courses

JET Programme, Hyogo, Japan | Assistant Language Teacher

2009 - 2011

- Collaborated with English teachers to develop middle-school English competency curriculum
- Developed curriculum and led seminars for district-wide elementary school English program

UCLA Jonsson Cancer Center, Los Angeles, CA | Laboratory Technician

2006 - 2009

- Maintained 100% pass rating while responsible for lab safety compliance reviews
- Managed collaborative online database used by multiple departments for ordering and maintaining stock of laboratory supplies and materials

EDUCATION

Hack Reactor - Advanced Software Engineering Immersive Program,
University of California, Los Angeles - B.S. Psychobiology,

2015 - 2016

2005 - 2009